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May 20, 2004

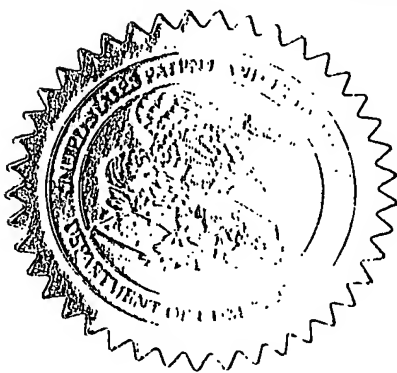
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APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A
FILING DATE.**

APPLICATION NUMBER: 60/453,763

FILING DATE: March 11, 2003

RELATED PCT APPLICATION NUMBER: PCT/US04/07152

**By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS**



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Certifying Officer**

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3-120483763 03/11/03

PTO/SB/16 (02-01)
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PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

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TITLE OF THE INVENTION (280 characters max)					
OTHER DISCUSSION POINTS					
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<input type="checkbox"/> Customer Number <input type="text"/>					
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ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages 7					
<input type="checkbox"/> CD(s), Number					
<input type="checkbox"/> Drawing(s) Number of Sheets					
<input type="checkbox"/> Other (specify)					
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
<input type="checkbox"/> A check or money order is enclosed to cover the filing fees					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 07-0832					
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FILING FEE AMOUNT (\$)					
160					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted,
SIGNATURE

Paul P. Kiel

Date 3/11/03

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(if appropriate)

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Docket Number: PU030073

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USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

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Docket Number		PU030073	Type a plus sign (+) Inside this box →	+
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INNOVATION PARTNERSHIP SUCCESS

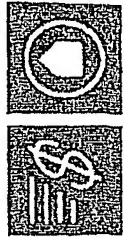
Other Discussion Points

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Discussion Points Agenda

- Suggested Feature Changes
- Future ODU Directions
- DIRECTV / Thomson Total Cost Initiatives



Suggested Feature Changes

- Provide APG data for present/next programs
 - Allows development of a fast-navigation guide due to reduced search times
- Add APG linkages from program objects back to channel objects allowing improved performance for features traversing the data base
- Divide APG database into segments
 - APG additions would be to segments furthest in the future
 - Aids in keeping database consistent and providing timely access to the data

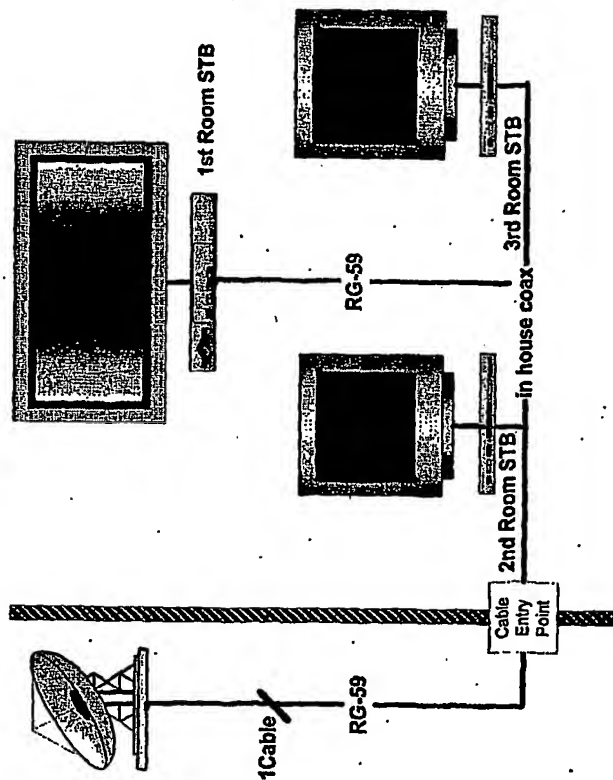


ODU Directions

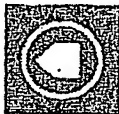
- Thomson's proposed whole-house initiatives focus on RG59 distribution of DIRECTV signals
 - "N in 1" Media Server: analog NTSC video with agile modulators
 - Media Server Hybrid: Adds digital distribution via XL Band to secondary receivers
- Thomson proposes to extend XL Band technology to the ODU to reduce the number of cable runs to one
 - Move "rough tune" functionality into LNB
 - Transponders from multiple satellites are frequency translated and put into spectral slots on a single coax (RG6 to the house, RG59 within the house)
 - Single cable run to the ODU supports as many tuners in the house as there are "slots"; likely answer is 4-8 due to cost tradeoffs within the LNB
 - Simple, two-way control path needed for receiver to request a transponder on an allotted frequency slot



New ODU Advantages



- Digital A/V quality with DIRECTV UI on all receivers
- Can be implemented in conventional receiver roadmap
- Complementary to Media Server (Hybrid) architectures
- 2005 availability



Total Cost To Serve Initiatives

- Smart card and license fee retail markup
- Integrated customer service operation
- Key technology development initiatives
 - Patents & Licensing can monetize DIRECTV assets
- Piracy / fraud issues throughout entire product flow
- Accessories development
- Collaborative retail field support initiatives



Summary

- Feature changes can improve APG consumer experience
- XL Band technology can further reduce installation costs by distributing ODU output via a single coax
- Thomson can address total cost-to-serve through the entire product lifecycle
 - Joint development and licensing of intellectual property
 - Piracy / fraud issues throughout entire product flow
 - Collaborative customer and retail support
 - Accessories development for consumer satisfaction